AST-Mathematics for Transfer Degree 21-22
Recommended Program Sequence

Term 1 (Fall/Spring: Max. 19 units, 12-15 u. recommended)		Units
CSU B4	*MATH 150+, Calc. & Analyt. Geometry 2 IGETC	5
CSU GE A1	#COMM 101 (Rec.) (CSU only) 1c IGETC	3
CSU GE C2	#PHIL 106 Area 3H IGETC	3
CSU GE E	#HE120 (Rec.)(CSU Only) or (UC) Elective	3
CSU Elective	#KINF 107 UC Elective	1
# Recommended	Total	15

Term 2 (Fall/Spring: Max. 19 units, 12-15 u. recommended)		Units
MATH 160+, Calculus and Analytical Geometry		4
CSU B1&B3 Required Electives B (*PHYS 110 Rec.) 5A&5C IGETC		4
CSU GE A2	(English 101+) 1a IGETC	3
CSU GE D	#HIST 108 or 111 (AI) 4 IGETC	3
CSU Elective	#KINF 108 UC Elective	1
Summer: Max. 15 units, 12 units recommended	Total	15

Term 3 (Fall/Spring: Max. 19 units, 12-15 u. recommended)		GP Units
MATH 250+, Calculus and Analytical Geometry		4
Other Electives (MATH 115 or 116 or 230) Recommended		4
CSU GE A3	#PHIL 201+ 1b IGETC	3
CSU GE C1	#FTV 101 3A IGETC	3
CSU GE D	#POLS 101 (AI) 4 IGETC	3
**IGETC LOTE 102 (UC only) required w/out 2 yrs of H.S Foreig. Lang.	Total	17

Term 4 (Fall/Spring: Max. 19 units, 12-15 u. recommended)		Units
Required Electives A #MATH 220+		4
CSU GE B2	#ANTH 101 5B IGETC	3
CSU GE C1/C2	#MUS 101 3A/H IGETC	3
CSU D or (F - CSU Only Beg. 21-22) #SOC 110 4 IGETC		3
% CSU B3 & IGETC 5C must correspond with only one Science Lecture	Total	13

Transfer or Graduate

Take Summer classes if needed to complete the program in a timely manner.

The state requires all students to have a Comprehensive Educational Plan. Make a counseling appointment as soon as enrollment is established on any term. Come by the Counseling Center or call. Online Counseling is available: https://www.avc.edu/studentservices/counseling

Required Core Courses:	Units
*MATH 150+, Calculus & Analytic Geometry	5
MATH 160+, Calculus & Analytic Geometry	4
MATH 250+, Calculus & Analytic Geometry	4
Required Electives: Choose a minimum of 8 units from below with at least 4 units from A	
Required Electives A:	
MATH 220+, Linear Algebra	4
MATH 230+, Introduction to Ordinary Differential Equations	4
Required Electives B:	
*PHYS 110+, General Physics	4
MATH 116, Intro. to Statistics Using R *or* MATH 115, Statistics	4
Units Required for Major:	**21**

other requirements for degree

CSU GE Breath (39 min.) or IGETC (34 min.) Pattern	34-39
CSU/IGETC Transferrable Elective Units to reach Degree Total	0-5
Minimum Units Required for the Degree	**60**

*Courses denoted with an asterisk will fulfill the completion requirements for both the major and general education.

LOTE: Language Other than English

General Education Requirements: Complete either the CSU Breath Requirements or IGETC.

Policies in the back page ....

AST-Mathematics for Transfer Degree 21-22
Recommended Program Sequence

The Associate in Science in Mathematics for Transfer (AS-T in Mathematics) degree offers students a fundamental knowledge of Mathematics and its relation to science, technology, and engineering. Students will enhance their problem solving and critical thinking skills by applying mathematical models to real world problems or utilizing mathematical objects and theorems to evaluate the validity of a statement or to prove mathematical statements. The Associate in Science in Mathematics for Transfer (AS-T in Mathematics) degree meets the requirements of SB 1440 for Associate Degrees for Transfer (ADT). These degrees are intended to make it easier for students to transfer to California State University campuses, but do not exclude admittance to other colleges or universities.

To earn an Associates of Science in Mathematics for Transfer (AST) degree a student must complete the following:

1. Completion of 60 semester units or 90 quarter units that are eligible for transfer to the California State University, including both of the following:

A. The Intersegmental General Education Transfer Curriculum (IGETC) or the California State University General Education –Breadth Requirements.

B. A minimum of 18 semester units or 27 quarter units in a major or area of emphasis, as determined by the community college district.

2. Obtainment of a minimum grade point average of 2.0.

ADTs also require that students must earn a C or better in all courses required for the major or area of emphasis. A "P" (Pass) grade is not an acceptable grade for courses in the major.

Advisory: A condition of enrollment that a student is advised, but not required, to meet before or in conjunction with enrollment in a course or educational program.

Prerequisite: A condition of enrollment that a student is required to meet in order to demonstrate current readiness for enrollment in a course or educational program. Prerequisites are enforced and a student will be blocked from enrolling or involuntarily dropped after enrolling if the student does not meet the stated prerequisite. A student must complete a course prerequisite with a satisfactory grade of A, B, C or P (pass).

Corequisite: A condition of enrollment consisting of a course that a student is required to simultaneously take in order to enroll in another course. Corequisites are enforced and a student will be blocked from enrolling if the student does not meet the stated corequisite.

Electives: The remaining number of units (up to a minimum of 60) are considered electives. Any course that has already been counted toward (1) the general education requirements, or (2) the major, cannot be used as an elective. Any course with a designation of "CSU" at the end of a course description can be used as an elective for a CSU transfer and a "UC" designation for a UC school.

Grade Point Average Requirement: An overall grade point average of 2.0 ("C" average) is required.

Double Counting: While a course might satisfy more than one general education requirement, it may not be counted more than once for these purposes. A course may be used to satisfy both a general education requirement and a major or area of emphasis requirement.

Residency: Minimum of 12 units completed at AVC with a minimum of 9 of those units completed from the certificate/major. (credit earned by examination will not be included in these 12 units) Title 5, Section 54000: http://ccr.oal.ca.gov.

Requirements for Two or More Associate Degrees: To be eligible for multiple associate degrees, a student must have completed all of the graduation requirements for each degree.

Transfer: Students planning to continue studies at a four-year college or university after AVC should visit the Transfer Resource Center or the Counseling Center and consult with a counselor as soon as possible to develop a plan of studies. Additional preparation for the major information on official transfer articulation agreements from AVC to many CSU/UC campuses can be found at the following Web site: www.assist.org

The "**Catalog Rights Policy**" sets forth the criteria used for determining the degree requirements under which students may graduate. Please refer to the AVC Catalog for a detailed description or consult with a counselor.